

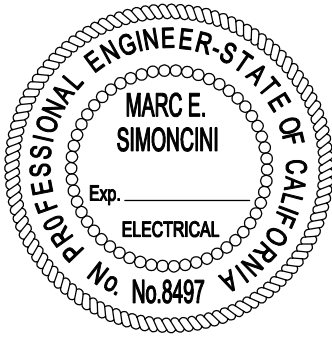
ROOF ELECTRICAL PLAN

SCALE: 1/4"=1'-0"



PETER J. MOKLER
& ASSOCIATES, INC.
PLANNING ARCHITECTURE INTERIOR

P.O. Box 8529 132 Sierra Blvd.
Mammoth Lakes, CA 93546
Phone: 760-924-0800
Fax: 760-924-0805
e-mail:pete@moklerdesign.com



CONSULTANTS

ENCON-NEVADA
CONSULTING ENGINEERS
290 BRINKBY AVENUE, SUITE 201
RENO, NEVADA 89509
PH. (775) 826-4520 FAX (775) 826-4581
EMAIL: ENCON@NEVADACOM.COM
© 1992-NEVADA CONSULTING ENGINEERS, INC. 05-1302

RELIANCE
ENGINEERING
1190 SELMA DRIVE, SUITE #103
RENO, NEVADA 89512
MARC E. SIMONCINI P.E. (775) 331-5772

JOB NAME AND ADDRESS

MONO COUNTY OFFICE IMPROVEMENTS
SIERRA CENTER MALL
SPACES 208 & 306
452 OLD MAMMOTH ROAD
MAMMOTH LAKES, CALIFORNIA

OWNER

DAVE WALBRECHT, CAO
COUNTY OF MONO
P.O. BOX 2415
452 OLD MAMMOTH ROAD
MAMMOTH LAKES, CALIFORNIA 93546
PHONE: 924-1700

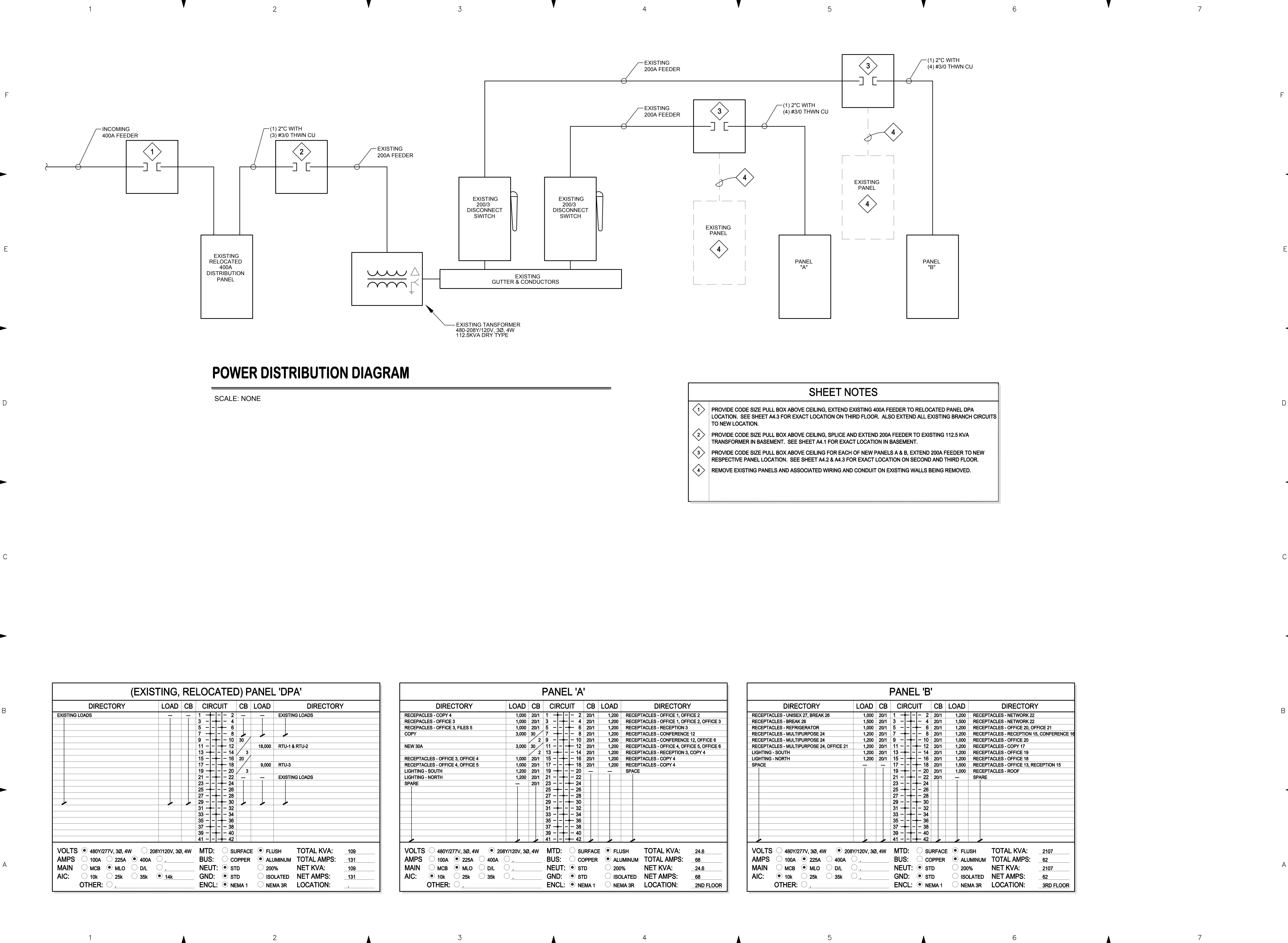
MARK	DATE	DESCRIPTION
7/5/07		SUBMITTAL SET

PROJECT NO:
CAD DWG FILE:
DRAWN BY: LAD
CHK'D BY: MES
COPYRIGHT: 2007 MOKLER DESIGN

SHEET TITLE

ROOF
ELECTRICAL PLAN

SHEET **E2.0** OF **3**



POWER DISTRIBUTION DIAGRAM

SCALE: NONE

SHEET NOTES

- 1 PROVIDE CODE SIZE PULL BOX ABOVE CEILING, EXTEND EXISTING 400A FEEDER TO RELOCATED PANEL DPA LOCATION. SEE SHEET A4.3 FOR EXACT LOCATION ON THIRD FLOOR. ALSO EXTEND ALL EXISTING BRANCH CIRCUITS TO NEW LOCATION.
- 2 PROVIDE CODE SIZE PULL BOX ABOVE CEILING, SPLICE AND EXTEND 200A FEEDER TO EXISTING 112.5 KVA TRANSFORMER IN BASEMENT. SEE SHEET A4.1 FOR EXACT LOCATION IN BASEMENT.
- 3 PROVIDE CODE SIZE PULL BOX ABOVE CEILING FOR EACH OF NEW PANELS A & B, EXTEND 200A FEEDER TO NEW RESPECTIVE PANEL LOCATION. SEE SHEET A4.2 & A4.3 FOR EXACT LOCATION ON SECOND AND THIRD FLOOR.
- 4 REMOVE EXISTING PANELS AND ASSOCIATED WIRING AND CONDUIT ON EXISTING WALLS BEING REMOVED.

(EXISTING, RELOCATED) PANEL 'DPA'

DIRECTORY	LOAD	CB	CIRCUIT	CB	LOAD	DIRECTORY
EXISTING LOADS						EXISTING LOADS
			1	2		
			3	4		
			5	6		
			7	8		
			9	10	30	
			11	12	18,000	RTU-1 & RTU-2
			13	14	3	
			15	16	20	
			17	18	9,000	RTU-3
			19	20	3	
			21	22		EXISTING LOADS
			23	24		
			25	26		
			27	28		
			29	30		
			31	32		
			33	34		
			35	36		
			37	38		
			39	40		
			41	42		
VOLTS 480Y/277V, 3Ø, 4W 208Y/120V, 3Ø, 4W						
AMPS 100A 225A 400A						
MAIN MCB MLO D/L						
AIC: 10k 25k 35k 14k						
OTHER:						
MTD: SURFACE FLUSH						
BUS: COPPER ALUMINUM						
NEUT: STD 200%						
GND: STD ISOLATED						
ENCL: NEMA 1 NEMA 3R						
TOTAL KVA: 109						
TOTAL AMPS: 131						
NET KVA: 109						
NET AMPS: 131						
LOCATION:						

PANEL 'A'

DIRECTORY	LOAD	CB	CIRCUIT	CB	LOAD	DIRECTORY
RECEPACLES - COPY 4	1,000	201	1	2	201	1,200
RECEPACLES - OFFICE 3	1,000	201	3	4	201	1,200
RECEPACLES - OFFICE 3, FILES 5	1,000	201	5	6	201	1,200
COPY	3,000	30	7	8	201	1,200
			2	9	201	1,200
NEW 30A	3,000	30	11	12	201	1,200
			2	13	201	1,200
RECEPACLES - OFFICE 3, OFFICE 4	1,000	201	15	16	201	1,200
RECEPACLES - OFFICE 4, OFFICE 5	1,000	201	17	18	201	1,200
LIGHTING - SOUTH	1,200	201	19	20		
LIGHTING - NORTH	1,200	201	21	22		
SPARE		201	23	24		
			25	26		
			27	28		
			29	30		
			31	32		
			33	34		
			35	36		
			37	38		
			39	40		
			41	42		
VOLTS 480Y/277V, 3Ø, 4W 208Y/120V, 3Ø, 4W						
AMPS 100A 225A 400A						
MAIN MCB MLO D/L						
AIC: 10k 25k 35k						
OTHER:						
MTD: SURFACE FLUSH						
BUS: COPPER ALUMINUM						
NEUT: STD 200%						
GND: STD ISOLATED						
ENCL: NEMA 1 NEMA 3R						
TOTAL KVA: 24.6						
TOTAL AMPS: 68						
NET KVA: 24.6						
NET AMPS: 68						
LOCATION: 2ND FLOOR						

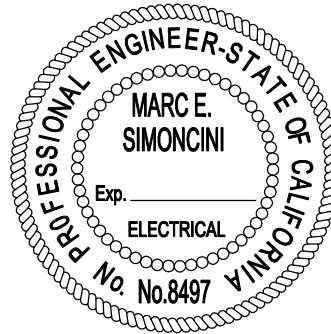
PANEL 'B'

DIRECTORY	LOAD	CB	CIRCUIT	CB	LOAD	DIRECTORY
RECEPACLES - UNISEX 27, BREAK 26	1,000	201	1	2	201	1,200
RECEPACLES - BREAK 26	1,500	201	3	4	201	1,500
RECEPACLES - REFRIGERATOR	1,000	201	5	6	201	1,200
RECEPACLES - MULTIPURPOSE 24	1,200	201	7	8	201	1,200
RECEPACLES - MULTIPURPOSE 24	1,200	201	9	10	201	1,000
RECEPACLES - MULTIPURPOSE 24, OFFICE 21	1,200	201	11	12	201	1,200
LIGHTING - SOUTH	1,200	201	13	14	201	1,200
LIGHTING - NORTH	1,200	201	15	16	201	1,200
SPACE			17	18	201	1,500
			19	20	201	1,000
			21	22	201	
			23	24		
			25	26		
			27	28		
			29	30		
			31	32		
			33	34		
			35	36		
			37	38		
			39	40		
			41	42		
VOLTS 480Y/277V, 3Ø, 4W 208Y/120V, 3Ø, 4W						
AMPS 100A 225A 400A						
MAIN MCB MLO D/L						
AIC: 10k 25k 35k						
OTHER:						
MTD: SURFACE FLUSH						
BUS: COPPER ALUMINUM						
NEUT: STD 200%						
GND: STD ISOLATED						
ENCL: NEMA 1 NEMA 3R						
TOTAL KVA: 2107						
TOTAL AMPS: 62						
NET KVA: 2107						
NET AMPS: 62						
LOCATION: 3RD FLOOR						

PETER J. MOKLER & ASSOCIATES, INC.

PLANNING ARCHITECTURE INTERIOR

P.O. Box 8529 132 Sierra Blvd.
Mammoth Lakes, CA 93546
Phone: 760-924-0800
Fax: 760-924-0805
e-mail:pete@moklerdesign.com



CONSULTANTS

ENCON-NEVADA
CONSULTING ENGINEERS
290 BRINKBY AVENUE, SUITE 201
RENO, NEVADA 89509
PH. (775) 826-4520 FAX: (775) 826-4581
EMAIL: ENCON@ENCON.NV.COM
ENCON-NEVADA ORIGINAL DOCUMENTS 800-455-1302

RELIANCE
ENGINEERING
1190 SELAM DRIVE, SUITE #103
RENO, NEVADA 89512
MARC E. SIMONCINI P.E. (775) 331-5772

JOB NAME AND ADDRESS

MONO COUNTY OFFICE IMPROVEMENTS

SIERRA CENTER MALL
SPACES 208 & 306
452 OLD MAMMOTH ROAD
MAMMOTH LAKES, CALIFORNIA

OWNER

DAVE WALBRECHT, CAO
COUNTY OF MONO
P.O. BOX 2415
452 OLD MAMMOTH ROAD
MAMMOTH LAKES, CALIFORNIA 93546
PHONE: 924-1700

7/5/07 SUBMITTAL SET
MARK DATE DESCRIPTION

PROJECT NO:
CAD DWG FILE:
DRAWN BY: LAD
CHK'D BY: MES
COPYRIGHT: 2007 MOKLER DESIGN

SHEET TITLE

POWER DISTRIBUTION
DIAGRAM
PANEL SCHEDULES